



## UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
--------------------	---------------------	-----------------------	---------------------------

02/27/99 594

03/10/99

BLUMNOLD

E

4001

0212/0407

PATRICIA A SWEENEY  
1835 PLEASANT STREET  
WEST DES MOINES IA 50265

NOT ASSIGNED

1649

DATE MAILED:

04/07/99

**NOTICE TO FILE MISSING PARTS OF APPLICATION**  
**Filing Date Granted**

An Application Number and Filing Date have been assigned to this application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of items 1 or 3 through 5 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(e) of ☐ \$65.00 for a small entity in compliance with 37 CFR 1.27, or ☒ \$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set above, the total amount owed by applicant as a

☐ small entity (statement filed) ☒ non-small entity is \$ 1962.00.

☒ 1. The statutory basic filing fee is:

- ☐ missing.  
☒ insufficient.

Applicant must submit \$ 546.00 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).

☒ 2. Additional claim fees of \$ 1932.00, including any multiple dependent claim fees, are required.

\$ 546.00 for 7 independent claims over 3.

\$ 1,386.00 for 17 dependent claims over 20.

\$ 300.00 for multiple dependent claim surcharge.

Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.

☒ 3. The oath or declaration is missing or unexecuted. 07/13/1999 AIBRHHN 00000032 09271584

- ☐ is missing or unexecuted.  
☐ does not cover the newly submitted items.  
☐ does not identify the application to which it applies.  
☐ does not include the city and state or foreign country of applicant's residence.

01 FC:102	78.00 OP
02 FC:103	324.00 OP
03 FC:104	260.00 OP

An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.

☒ 4. The signature(s) to the oath or declaration is/are by a person other than inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.

A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

☐ 5. The signature of the following joint inventor(s) is missing from the oath or declaration:

An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the inventor(s), identifying this application by the above Application Number and Filing Date, is required.

☐ 6. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).

☐ 7. Your filing receipt was mailed in error because your check was returned without payment.

☐ 8. The application does not comply with the Sequence Rules.

See attached "Notice to Comply with Sequence Rules 37 CFR 1.821-1.825."

☐ 9. OTHER:

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."

**A copy of this notice MUST be returned with the reply.**

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

11/13/1999 AIBRHHN 00000031 09271584  
FC:105 130.00  
FC:106 662.00  
FC:107 662.00  
FC:108 662.00  
FC:109 662.00  
FC:110 662.00  
FC:111 662.00  
FC:112 662.00  
FC:113 662.00  
FC:114 662.00  
FC:115 662.00  
FC:116 662.00  
FC:117 662.00  
FC:118 662.00  
FC:119 662.00  
FC:120 662.00  
FC:121 662.00  
FC:122 662.00  
FC:123 662.00  
FC:124 662.00  
FC:125 662.00  
FC:126 662.00  
FC:127 662.00  
FC:128 662.00  
FC:129 662.00  
FC:130 662.00  
FC:131 662.00  
FC:132 662.00  
FC:133 662.00  
FC:134 662.00  
FC:135 662.00  
FC:136 662.00  
FC:137 662.00  
FC:138 662.00  
FC:139 662.00  
FC:140 662.00  
FC:141 662.00  
FC:142 662.00  
FC:143 662.00  
FC:144 662.00  
FC:145 662.00  
FC:146 662.00  
FC:147 662.00  
FC:148 662.00  
FC:149 662.00  
FC:150 662.00  
FC:151 662.00  
FC:152 662.00  
FC:153 662.00  
FC:154 662.00  
FC:155 662.00  
FC:156 662.00  
FC:157 662.00  
FC:158 662.00  
FC:159 662.00  
FC:160 662.00  
FC:161 662.00  
FC:162 662.00  
FC:163 662.00  
FC:164 662.00  
FC:165 662.00  
FC:166 662.00  
FC:167 662.00  
FC:168 662.00  
FC:169 662.00  
FC:170 662.00  
FC:171 662.00  
FC:172 662.00  
FC:173 662.00  
FC:174 662.00  
FC:175 662.00  
FC:176 662.00  
FC:177 662.00  
FC:178 662.00  
FC:179 662.00  
FC:180 662.00  
FC:181 662.00  
FC:182 662.00  
FC:183 662.00  
FC:184 662.00  
FC:185 662.00  
FC:186 662.00  
FC:187 662.00  
FC:188 662.00  
FC:189 662.00  
FC:190 662.00  
FC:191 662.00  
FC:192 662.00  
FC:193 662.00  
FC:194 662.00  
FC:195 662.00  
FC:196 662.00  
FC:197 662.00  
FC:198 662.00  
FC:199 662.00  
FC:200 662.00  
FC:201 662.00  
FC:202 662.00  
FC:203 662.00  
FC:204 662.00  
FC:205 662.00  
FC:206 662.00  
FC:207 662.00  
FC:208 662.00  
FC:209 662.00  
FC:210 662.00  
FC:211 662.00  
FC:212 662.00  
FC:213 662.00  
FC:214 662.00  
FC:215 662.00  
FC:216 662.00  
FC:217 662.00  
FC:218 662.00  
FC:219 662.00  
FC:220 662.00  
FC:221 662.00  
FC:222 662.00  
FC:223 662.00  
FC:224 662.00  
FC:225 662.00  
FC:226 662.00  
FC:227 662.00  
FC:228 662.00  
FC:229 662.00  
FC:230 662.00  
FC:231 662.00  
FC:232 662.00  
FC:233 662.00  
FC:234 662.00  
FC:235 662.00  
FC:236 662.00  
FC:237 662.00  
FC:238 662.00  
FC:239 662.00  
FC:240 662.00  
FC:241 662.00  
FC:242 662.00  
FC:243 662.00  
FC:244 662.00  
FC:245 662.00  
FC:246 662.00  
FC:247 662.00  
FC:248 662.00  
FC:249 662.00  
FC:250 662.00  
FC:251 662.00  
FC:252 662.00  
FC:253 662.00  
FC:254 662.00  
FC:255 662.00  
FC:256 662.00  
FC:257 662.00  
FC:258 662.00  
FC:259 662.00  
FC:260 662.00  
FC:261 662.00  
FC:262 662.00  
FC:263 662.00  
FC:264 662.00  
FC:265 662.00  
FC:266 662.00  
FC:267 662.00  
FC:268 662.00  
FC:269 662.00  
FC:270 662.00  
FC:271 662.00  
FC:272 662.00  
FC:273 662.00  
FC:274 662.00  
FC:275 662.00  
FC:276 662.00  
FC:277 662.00  
FC:278 662.00  
FC:279 662.00  
FC:280 662.00  
FC:281 662.00  
FC:282 662.00  
FC:283 662.00  
FC:284 662.00  
FC:285 662.00  
FC:286 662.00  
FC:287 662.00  
FC:288 662.00  
FC:289 662.00  
FC:290 662.00  
FC:291 662.00  
FC:292 662.00  
FC:293 662.00  
FC:294 662.00  
FC:295 662.00  
FC:296 662.00  
FC:297 662.00  
FC:298 662.00  
FC:299 662.00  
FC:300 662.00  
FC:301 662.00  
FC:302 662.00  
FC:303 662.00  
FC:304 662.00  
FC:305 662.00  
FC:306 662.00  
FC:307 662.00  
FC:308 662.00  
FC:309 662.00  
FC:310 662.00  
FC:311 662.00  
FC:312 662.00  
FC:313 662.00  
FC:314 662.00  
FC:315 662.00  
FC:316 662.00  
FC:317 662.00  
FC:318 662.00  
FC:319 662.00  
FC:320 662.00  
FC:321 662.00  
FC:322 662.00  
FC:323 662.00  
FC:324 662.00  
FC:325 662.00  
FC:326 662.00  
FC:327 662.00  
FC:328 662.00  
FC:329 662.00  
FC:330 662.00  
FC:331 662.00  
FC:332 662.00  
FC:333 662.00  
FC:334 662.00  
FC:335 662.00  
FC:336 662.00  
FC:337 662.00  
FC:338 662.00  
FC:339 662.00  
FC:340 662.00  
FC:341 662.00  
FC:342 662.00  
FC:343 662.00  
FC:344 662.00  
FC:345 662.00  
FC:346 662.00  
FC:347 662.00  
FC:348 662.00  
FC:349 662.00  
FC:350 662.00  
FC:351 662.00  
FC:352 662.00  
FC:353 662.00  
FC:354 662.00  
FC:355 662.00  
FC:356 662.00  
FC:357 662.00  
FC:358 662.00  
FC:359 662.00  
FC:360 662.00  
FC:361 662.00  
FC:362 662.00  
FC:363 662.00  
FC:364 662.00  
FC:365 662.00  
FC:366 662.00  
FC:367 662.00  
FC:368 662.00  
FC:369 662.00  
FC:370 662.00  
FC:371 662.00  
FC:372 662.00  
FC:373 662.00  
FC:374 662.00  
FC:375 662.00  
FC:376 662.00  
FC:377 662.00  
FC:378 662.00  
FC:379 662.00  
FC:380 662.00  
FC:381 662.00  
FC:382 662.00  
FC:383 662.00  
FC:384 662.00  
FC:385 662.00  
FC:386 662.00  
FC:387 662.00  
FC:388 662.00  
FC:389 662.00  
FC:390 662.00  
FC:391 662.00  
FC:392 662.00  
FC:393 662.00  
FC:394 662.00  
FC:395 662.00  
FC:396 662.00  
FC:397 662.00  
FC:398 662.00  
FC:399 662.00  
FC:400 662.00  
FC:401 662.00  
FC:402 662.00  
FC:403 662.00  
FC:404 662.00  
FC:405 662.00  
FC:406 662.00  
FC:407 662.00  
FC:408 662.00  
FC:409 662.00  
FC:410 662.00  
FC:411 662.00  
FC:412 662.00  
FC:413 662.00  
FC:414 662.00  
FC:415 662.00  
FC:416 662.00  
FC:417 662.00  
FC:418 662.00  
FC:419 662.00  
FC:420 662.00  
FC:421 662.00  
FC:422 662.00  
FC:423 662.00  
FC:424 662.00  
FC:425 662.00  
FC:426 662.00  
FC:427 662.00  
FC:428 662.00  
FC:429 662.00  
FC:430 662.00  
FC:431 662.00  
FC:432 662.00  
FC:433 662.00  
FC:434 662.00  
FC:435 662.00  
FC:436 662.00  
FC:437 662.00  
FC:438 662.00  
FC:439 662.00  
FC:440 662.00  
FC:441 662.00  
FC:442 662.00  
FC:443 662.00  
FC:444 662.00  
FC:445 662.00  
FC:446 662.00  
FC:447 662.00  
FC:448 662.00  
FC:449 662.00  
FC:450 662.00  
FC:451 662.00  
FC:452 662.00  
FC:453 662.00  
FC:454 662.00  
FC:455 662.00  
FC:456 662.00  
FC:457 662.00  
FC:458 662.00  
FC:459 662.00  
FC:460 662.00  
FC:461 662.00  
FC:462 662.00  
FC:463 662.00  
FC:464 662.00  
FC:465 662.00  
FC:466 662.00  
FC:467 662.00  
FC:468 662.00  
FC:469 662.00  
FC:470 662.00  
FC:471 662.00  
FC:472 662.00  
FC:473 662.00  
FC:474 662.00  
FC:475 662.00  
FC:476 662.00  
FC:477 662.00  
FC:478 662.00  
FC:479 662.00  
FC:480 662.00  
FC:481 662.00  
FC:482 662.00  
FC:483 662.00  
FC:484 662.00  
FC:485 662.00  
FC:486 662.00  
FC:487 662.00  
FC:488 662.00  
FC:489 662.00  
FC:490 662.00  
FC:491 662.00  
FC:492 662.00  
FC:493 662.00  
FC:494 662.00  
FC:495 662.00  
FC:496 662.00  
FC:497 662.00  
FC:498 662.00  
FC:499 662.00  
FC:500 662.00  
FC:501 662.00  
FC:502 662.00  
FC:503 662.00  
FC:504 662.00  
FC:505 662.00  
FC:506 662.00  
FC:507 662.00  
FC:508 662.00  
FC:509 662.00  
FC:510 662.00  
FC:511 662.00  
FC:512 662.00  
FC:513 662.00  
FC:514 662.00  
FC:515 662.00  
FC:516 662.00  
FC:517 662.00  
FC:518 662.00  
FC:519 662.00  
FC:520 662.00  
FC:521 662.00  
FC:522 662.00  
FC:523 662.00  
FC:524 662.00  
FC:525 662.00  
FC:526 662.00  
FC:527 662.00  
FC:528 662.00  
FC:529 662.00  
FC:530 662.00  
FC:531 662.00  
FC:532 662.00  
FC:533 662.00  
FC:534 662.00  
FC:535 662.00  
FC:536 662.00  
FC:537 662.00  
FC:538 662.00  
FC:539 662.00  
FC:540 662.00  
FC:541 662.00  
FC:542 662.00  
FC:543 662.00  
FC:544 662.00  
FC:545 662.00  
FC:546 662.00  
FC:547 662.00  
FC:548 662.00  
FC:549 662.00  
FC:550 662.00  
FC:551 662.00  
FC:552 662.00  
FC:553 662.00  
FC:554 662.00  
FC:555 662.00  
FC:556 662.00  
FC:557 662.00  
FC:558 662.00  
FC:559 662.00  
FC:560 662.00  
FC:561 662.00  
FC:562 662.00  
FC:563 662.00  
FC:564 662.00  
FC:565 662.00  
FC:566 662.00  
FC:567 662.00  
FC:568 662.00  
FC:569 662.00  
FC:570 662.00  
FC:571 662.00  
FC:572 662.00  
FC:573 662.00  
FC:574 662.00  
FC:575 662.00  
FC:576 662.00  
FC:577 662.00  
FC:578 662.00  
FC:579 662.00  
FC:580 662.00  
FC:581 662.00  
FC:582 662.00  
FC:583 662.00  
FC:584 662.00  
FC:585 662.00  
FC:586 662.00  
FC:587 662.00  
FC:588 662.00  
FC:589 662.00  
FC:590 662.00  
FC:591 662.00  
FC:592 662.00  
FC:593 662.00  
FC:594 662.00  
FC:595 662.00  
FC:596 662.00  
FC:597 662.00  
FC:598 662.00  
FC:599 662.00  
FC:600 662.00  
FC:601 662.00  
FC:602 662.00  
FC:603 662.00  
FC:604 662.00  
FC:605 662.00  
FC:606 662.00  
FC:607 662.00  
FC:608 662.00  
FC:609 662.00  
FC:610 662.00  
FC:611 662.00  
FC:612 662.00  
FC:613 662.00  
FC:614 662.00  
FC:615 662.00  
FC:616 662.00  
FC:617 662.00  
FC:618 662.00  
FC:619 662.00  
FC:620 662.00  
FC:621 662.00  
FC:622 662.00  
FC:623 662.00  
FC:624 662.00  
FC:625 662.00  
FC:626 662.00  
FC:627 662.00  
FC:628 662.00  
FC:629 662.00  
FC:630 662.00  
FC:631 662.00  
FC:632 662.00  
FC:633 662.00  
FC:634 662.00  
FC:635 662.00  
FC:636 662.00  
FC:637 662.00  
FC:638 662.00  
FC:639 662.00  
FC:640 662.00  
FC:641 662.00  
FC:642 662.00  
FC:643 662.00  
FC:644 662.00  
FC:645 662.00  
FC:646 662.00  
FC:647 662.00  
FC:648 662.00  
FC:649 662.00  
FC:650 662.00  
FC:651 662.00  
FC:652 662.00  
FC:653 662.00  
FC:654 662.00  
FC:655 662.00  
FC:656 662.00  
FC:657 662.00  
FC:658 662.00  
FC:659 662.00  
FC:660 662.00  
FC:661 662.00  
FC:662 662.00  
FC:663 662.00  
FC:664 662.00  
FC:665 662.00  
FC:666 662.00  
FC:667 662.00  
FC:668 662.00  
FC:669 662.00  
FC:670 662.00  
FC:671 662.00  
FC:672 662.00  
FC:673 662.00  
FC:674 662.00  
FC:675 662.00  
FC:676 662.00  
FC:677 662.00  
FC:678 662.00  
FC:679 662.00  
FC:680 662.00  
FC:681 662.00  
FC:682 662.00  
FC:683 662.00  
FC:684 662.00  
FC:685 662.00  
FC:686 662.00  
FC:687 662.00  
FC:688 662.00  
FC:689 662.00  
FC:690 662.00  
FC:691 662.00  
FC:692 662.00  
FC:693 662.00  
FC:694 662.00  
FC:695 662.00  
FC:696 662.00  
FC:697 662.00  
FC:698 662.00  
FC:699 662.00  
FC:700 662.00  
FC:701 662.00  
FC:702 662.00  
FC:703 662.00  
FC:704 662.00  
FC:705 662.00  
FC:706 662.00  
FC:707 662.00  
FC:708 662.00  
FC:709 662.00  
FC:710 662.00  
FC:711 662.00  
FC:712 662.00  
FC:713 662.00  
FC:714 662.00  
FC:715 662.00  
FC:716 662.00  
FC:717 662.00  
FC:718 662.00  
FC:719 662.00  
FC:720 662.00  
FC:721 662.00  
FC:722 662.00  
FC:723 662.00  
FC:724 662.00  
FC:725 662.00  
FC:726 662.00  
FC:727 662.00  
FC:728 662.00  
FC:729 662.00  
FC:730 662.00  
FC:731 662.00  
FC:732 662.00  
FC:733 662.00  
FC:734 662.00  
FC:735 662.00  
FC:736 662.00  
FC:737 662.00  
FC:738 662.00  
FC:739 662.00  
FC:740 662.00  
FC:741 662.00  
FC:742 662.00  
FC:743 662.00  
FC:744 662.00  
FC:745 662.00  
FC:746 662.00  
FC:747 662.00  
FC:748 662.00  
FC:749 662.00  
FC:750 662.00  
FC:751 662.00  
FC:752 662.00  
FC:753 662.00  
FC:754 662.00  
FC:755 662.00  
FC:756 662.00  
FC:757 662.00  
FC:758 662.00  
FC:759 662.00  
FC:760 662.00  
FC:761 662.00  
FC:762 662.00  
FC:763 662.00  
FC:764 662.00  
FC:765 662.00  
FC:766 662.00  
FC:767 662.00  
FC:768 662.00  
FC:769 662.00  
FC:770 662.00  
FC:771 662.00  
FC:772 662.00  
FC:773 662.00  
FC:774 662.00  
FC:775 662.00  
FC:776 662.00  
FC:777 662.00  
FC:778 662.00  
FC:779 662.00  
FC:780 662.00  
FC:781 662.00  
FC:782 662.00  
FC:783 662.00  
FC:784 662.00  
FC:785 662.00  
FC:786 662.00  
FC:787 662.00  
FC:



Attorney Docket No. 4001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Eduardo BLUMWALD et al. | Art Unit: 1649

Serial No.: 09/271,584 |

Filed: March 18, 1999 |

Examiner:

For: GENETIC ENGINEERING  
SALT TOLERANCE IN CROP PLANTS |

TRANSMITTAL LETTER

Assistant Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

Please find enclosed the following:

X Declaration

X Check in the amount of \$902.00 total for: \$130.00 under 37 C.F.R. §1.16(e) for late declaration; \$662.00 under 37 C.F.R. §1.16(b)-(d) for excess claims; \$110.00 extension of time of one month under 37 C.F.R. 1.17§(a).

X Amendment

X Request for Extension of time.

X Copy of Notice to file missing parts.

A duplicate copy of this sheet is enclosed.

Date July 7, 1999

Patricia A. Sweeney  
Patricia A. Sweeney  
Reg. No. 32,733

Patricia A. Sweeney  
1835 Pleasant  
West Des Moines, IA 50265-2334  
(515)222-0921

CERTIFICATE OF MAILING (37 C.F.R. § 1.8(a))

I hereby certify that this Amendment is being deposited on the date shown below with the United States Postal Service first class mail addressed to the Assistant Commissioner for Patents, Box Missing Parts, U.S. Patent & Trademark Office, Washington, D.C. 20231.

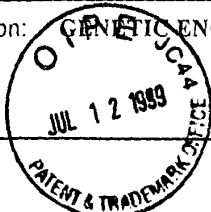
Date July 7, 1999

Patricia A. Sweeney  
Patricia A. Sweeney

<b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b>		Docket No.
Applicant(s): Blumwald et al.		4001

Serial No. 09/271,584	Filing Date March 18, 1999	Examiner	Group Art Unit 1649
--------------------------	-------------------------------	----------	------------------------

Invention: GENETIC ENGINEERING SALT TOLERANCE IN CROP PLANTS



TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	38 -	20 =	18 x	\$18.00	\$324.00
INDEP. CLAIMS	4 -	3 =	1 x	\$78.00	\$78.00
Multiple Dependent Claims (check if applicable) <input checked="" type="checkbox"/>					\$260.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$662.00

- ☐ No additional fee is required for amendment.
- ☐ Please charge Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_  
A duplicate copy of this sheet is enclosed.
- ☒ A check in the amount of \$662.00 to cover the filing fee is enclosed.
- ☐ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. \_\_\_\_\_  
A duplicate copy of this sheet is enclosed.
- ☐ Any additional filing fees required under 37 C.F.R. 1.16.
- ☐ Any patent application processing fees under 37 CFR 1.17.

Patricia A. Sweeney  
Signature

Dated: July 7, 1999

**CERTIFICATE OF MAILING (37 C.F.R. § 1.8(a))**

I hereby certify that this Amendment is being deposited on the date shown below with the United States Postal Service first class mail addressed to the Assistant Commissioner for Patents, Box Missing Parts, U.S. Patent & Trademark Office, Washington, D.C. 20231.

July 7, 1999  
Date

Patricia A. Sweeney  
Patricia A. Sweeney